

ROTATION SUPPORT OF HEAT-DISSIPATION FAN

ABSTRACT

An improved structure of rotation support of heat-dissipation fan comprising ceramic hollow tube bearing passes through and fixes on fan rotor and rotating with rotor, hollow or solid ceramic axle tube passes through the inside of bearing and rotating freely or fixed to fan body to provide low friction and high speed rotation. Exterior surface of bearing is formed or ground to provide better connection with rotor body while interior of bearing and exterior of axle tube are further processed to reduce surface contact area thereof lower rotational friction. This improved structure has achieved lower friction, lower noise, lower power consumption, longer life and higher speed.

10 Claims, 7 Drawing Sheets